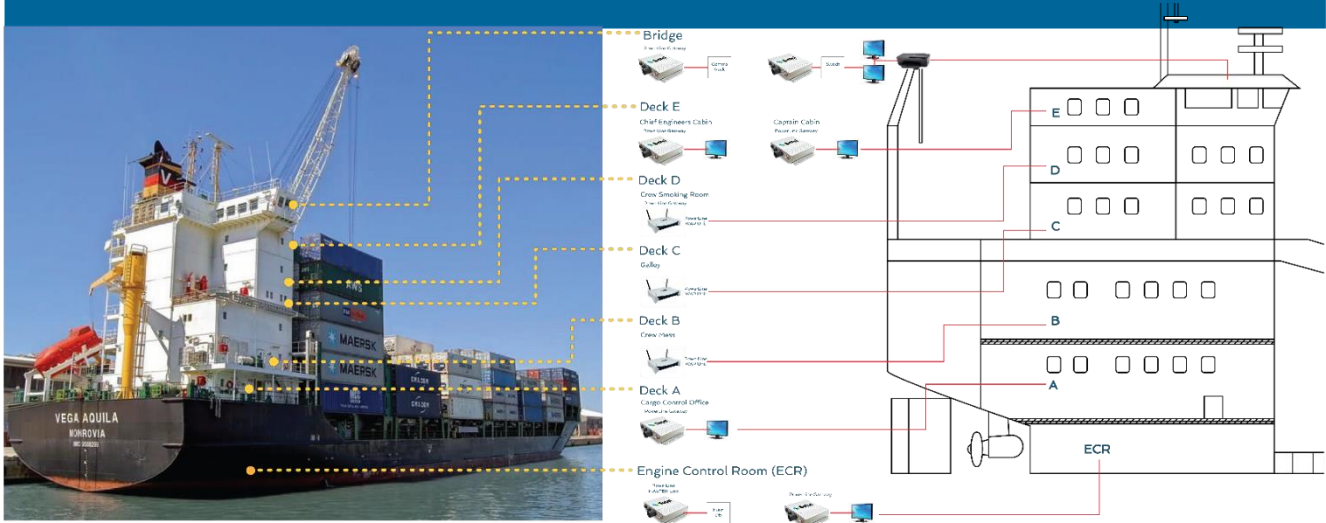


SETEL POWERLINE INSTALLATION CASE STUDY

NOVEMBER 2015

POWERLINE DEPLOYMENT DETAIL



ECR – 2x Setel Gateway Devices (GWY)

1x GWY programmed as a MASTER is connected to the Main Electrical DB using our coupling device. This injects our digital signal across the electrical infrastructure of the vessel.

1x GWY programmed as a SLAVE is used to provide LAN connectivity to the PC. The SLAVE unit communicates with the MASTER to connect to the vessel LAN Network. The unit is simply plugged into an electrical socket at the desired location for the PC, using the units flying lead.

Deck A – 1x Setel Gateway Device (GWY)

1x GWY programmed as a SLAVE is used to provide LAN connectivity to the PC in the Cargo Control Room

Deck B – 1x Wireless PowerLine Access Point (WAP)

1x WAP the unit comes with a flying lead which is simply plugged into any available electrical socket in the Crew Mess Area. Because the MASTER is already installed on the vessels electrical network, and the Setel WAP unit has our PowerLine technology built in, the unit instantly connects to the network and provides a Wi-Fi signal.

Deck C and D – 1x Wireless PowerLine Access Point (WAP)

1x WAP the unit comes with a flying lead which is simply plugged into any available electrical socket in the Galley on Deck C and the Crew Smoking Room on Deck D.

Deck E – 2x Setel Gateway Devices (GWY)

2x GWY both programmed as a SLAVE to provide LAN connectivity in both the Chief Engineers and Captains cabins.

Bridge – 2x Setel Gateway Devices (GWY)

2x GWY both programmed as a SLAVE. The first to provide LAN connectivity into the switch for two PCs and one printer. The second to connect the PowerLine network into the vessel comms to allow remote access to the vessel LAN.

NB: **Wi-Fi** – The PowerLine WAP units can be left flexible and plugged into any location as required, or fixed in place to create a permanent network.

NB: **LAN** – If an existing LAN already exists on-board, the PowerLine SLAVE units can be used to simply add additional.

NB: **CCTV** – No CCTV was required for this project but it can be easily deployed in the future by simply connecting cameras to a SLAVE unit wherever desired.